

01-07-02

A

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (11-00)  
Approved for use through 10/31/2002. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|   |  |  |
|---|--|--|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> |  | Attorney Docket No.<br><b>18406.004</b>                |
| First Inventor<br><b>Jeffrey W. Parker, et al.</b>  |  | Title<br><b>METHOD AND APPARATUS FOR DETECTING ...</b> |
| Express Mail Label No.<br><b>EL666921213US</b>  |  |  |

|   |  |  |  |
|---|--|--|--|
| <b>APPLICATION ELEMENTS</b><br><small>See MPEP chapter 600 concerning utility patent application contents.</small>  |  | <b>ADDRESS TO:</b><br>Assistant Commissioner for Patents<br>Box Patent Application<br>Washington, D.C. 20231   |  |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br><i>(Submit an original, and a duplicate for fee processing)</i><br>2. <input checked="" type="checkbox"/> Applicant claims small entity status.<br>See 37 CFR 1.27.<br>3. <input checked="" type="checkbox"/> Specification <small>[Total Pages <b>13</b>]</small><br><i>(preferred arrangement set forth below)</i><br>- Descriptive title of the invention<br>- Cross Reference to Related Applications<br>- Statement Regarding Fed sponsored R & D<br>- Reference to sequence listing, a table,<br>or a computer program listing appendix<br>- Background of the Invention<br>- Brief Summary of the Invention<br>- Brief Description of the Drawings <i>(if filed)</i><br>- Detailed Description<br>- Claim(s)<br>- Abstract of the Disclosure<br>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <small>[Total Sheets <b>1</b>]</small><br>5. Oath or Declaration <small>[Total Pages <b>1</b>]</small><br>a. <input type="checkbox"/> Newly executed (original or copy)<br>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br><i>(for continuation/divisional with Box 18 completed)</i><br>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br>Signed statement attached deleting inventor(s)<br>named in the prior application, see 37 CFR<br>1.63(d)(2) and 1.33(b).<br>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 |  | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or<br>Computer Program <i>(Appendix)</i><br>8. Nucleotide and/or Amino Acid Sequence Submission<br><i>(if applicable, all necessary)</i><br>a. <input type="checkbox"/> Computer Readable Form (CRF)<br>b. Specification Sequence Listing on:<br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or<br>ii. <input type="checkbox"/> paper<br>c. <input type="checkbox"/> Statements verifying identity of above copies |  |

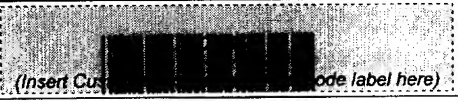
|  |  |
|--|--|
| <b>ACCOMPANYING APPLICATION PARTS</b>  |  |
| 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))  |  |
| 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney<br><i>(when there is an assignee)</i>                 |  |
| 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i>   |  |
| 12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations    |  |
| 13. <input type="checkbox"/> Preliminary Amendment   |  |
| 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br><i>(Should be specifically itemized)</i>                                 |  |
| 15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br><i>(if foreign priority is claimed)</i>   |  |
| 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122<br>(b)(2)(B)(i). Applicant must attach form PTO/SB/35<br>or its equivalent. |  |
| 17. <input type="checkbox"/> Other:  |  |

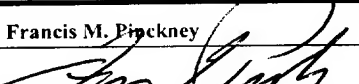
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group / Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

|   |   |
|---|---|
| <b>19. CORRESPONDENCE ADDRESS</b>   |   |
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label  <small>(Insert Customer Number or Bar Code label here)</small> |   |
| or <input type="checkbox"/> Correspondence address below  |   |
| Name  | <b>21878</b><br>PATENT TRADEMARK OFFICE |
| Address   |   |
| City  | State Zip Code                          |
| Country   | Telephone Fax                           |

|                   |   |                                   |                        |
|-------------------|---|-----------------------------------|------------------------|
| Name (Print/Type) | <b>Francis M. Pinckney</b>  | Registration No. (Attorney/Agent) | <b>21,138</b>          |
| Signature         |  | Date                              | <b>January 2, 2002</b> |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL  
for FY 2002**

Patent fees are subject to annual revision.

**Complete if Known**

|                      |                          |
|----------------------|--------------------------|
| Application Number   | To Be Assigned           |
| Filing Date          | Concurrently Herewith    |
| First Named Inventor | Jeffrey W. Parker et al. |
| Examiner Name        |                          |
| Group Art Unit       |                          |
| Attorney Docket No.  | 18406.004                |

**TOTAL AMOUNT OF PAYMENT****\$406.00****METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number**18-1215**Deposit  
Account  
Name**Kennedy Covington**

- ☒
- Charge Any Additional Fee Required
- 
- Under 37 CFR §§ 1.16 and 1.17

- ☒
- Applicant claims small entity status.
- 
- See 37 CFR § 1.27

- 2.
- ☒
- Payment Enclosed:

- ☒
- Check
- ☐
- Credit card
- ☐
- Money
- 
- Order
- ☐
- Other

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Fee Fee Fee Fee Description  
Code (\$) Code (\$) Code (\$)

|     |     |     |     |                        |        |
|-----|-----|-----|-----|------------------------|--------|
| 101 | 740 | 201 | 370 | Utility filing fee     | 370.00 |
| 106 | 330 | 206 | 165 | Design filing fee      |        |
| 107 | 510 | 207 | 255 | Plant filing fee       |        |
| 108 | 740 | 208 | 370 | Reissue filing fee     |        |
| 114 | 160 | 214 | 80  | Provisional filing fee |        |

**SUBTOTAL (1) \$370.00****2. EXTRA CLAIM FEES**

| Extra Claims       |              | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Total Claims       | 24 -20** = 4 | X 9.00 =       | 36.00    |
| Independent Claims | 2 -3** = 0   | X              | 0.00     |
| Multiple Dependent |              |                |          |

Large Entity Small Entity

Fee Fee Fee Fee Fee Description  
Code (\$) Code (\$) Code (\$)

|     |     |     |     |  |  |
|-----|-----|-----|-----|--|--|
| 103 | 18  | 203 | 9   | Claims in excess of 20                                     |  |
| 102 | 84  | 202 | 42  | Independent claims in excess of 3                          |  |
| 104 | 280 | 204 | 140 | Multiple dependent claim, if not paid                      |  |
| 109 | 84  | 209 | 42  | ** Reissue independent claims over original patent         |  |
| 110 | 18  | 210 | 9   | ** Reissue claims in excess of 20 and over original patent |  |

**SUBTOTAL (2) \$36.00**

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

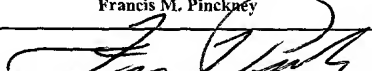
Fee Fee Fee Fee Fee Description  
Code (\$) Code (\$) Code (\$)

|     |        |     |        |  |  |
|-----|--------|-----|--------|--|--|
| 105 | 130    | 205 | 65     | Surcharge - late filing fee or oath  |  |
| 127 | 50     | 227 | 25     | Surcharge - late provisional filing fee or cover sheet                     |  |
| 139 | 130    | 139 | 130    | Non - English specification  |  |
| 147 | 2,520  | 147 | 2,520  | For filing a request for ex parte reexamination                            |  |
| 112 | 920*   | 112 | 920*   | Requesting publication of SIR prior to Examiner action                     |  |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action                        |  |
| 115 | 110    | 215 | 55     | Extension for reply within first month                                     |  |
| 116 | 400    | 216 | 200    | Extension for reply within second month                                    |  |
| 117 | 920    | 217 | 460    | Extension for reply within third month                                     |  |
| 118 | 1,440  | 218 | 720    | Extension for reply within fourth month                                    |  |
| 128 | 1,960  | 228 | 980    | Extension for reply within fifth month                                     |  |
| 119 | 320    | 219 | 160    | Notice of Appeal   |  |
| 120 | 320    | 220 | 160    | Filing a brief in support of an appeal                                     |  |
| 121 | 280    | 221 | 140    | Request for oral hearing   |  |
| 138 | 1,510  | 138 | 1,510  | Petition to institute a public use proceeding                              |  |
| 140 | 110    | 240 | 55     | Petition to revive - unavoidable   |  |
| 141 | 1,280  | 241 | 640    | Petition to revive - unintentional   |  |
| 142 | 1,280  | 242 | 640    | Utility issue fee (or reissue)   |  |
| 143 | 460    | 243 | 230    | Design issue fee   |  |
| 144 | 620    | 244 | 310    | Plant issue fee  |  |
| 122 | 130    | 122 | 130    | Petitions to the Commissioner  |  |
| 123 | 50     | 123 | 50     | Processing fee under 37 CFR § 1.17(q)                                      |  |
| 126 | 180    | 126 | 180    | Submission of Information Disclosure Statement                             |  |
| 581 | 40     | 581 | 40     | Recording each patent assignment per property (times number of properties) |  |
| 146 | 740    | 246 | 370    | Filing a submission after final rejection (37 CFR § 1.129(a))              |  |
| 149 | 740    | 249 | 370    | For each additional invention to be examined (37 CFR § 1.129(b))           |  |
| 179 | 740    | 279 | 370    | Request for Continued Examination (RCE)                                    |  |
| 169 | 900    | 169 | 900    | Request for expedited examination of a design application                  |  |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)****SUBMITTED BY**

|                   |   |                                   |                 |           |                |
|-------------------|---|-----------------------------------|-----------------|-----------|----------------|
| Name (Print/Type) | Francis M. Pinckney   | Registration No. (Attorney/Agent) | 21,138          | Telephone | (704) 331-7400 |
| Signature         |  | Date                              | January 2, 2002 |           |                |

Complete (if applicable)

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on**

Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Jeffrey W. Parker et al.

Docket No.

18406.004

Serial No.

To Be Assigned

Filing Date

Concurrently Herewith

Examiner

Group Art Unit

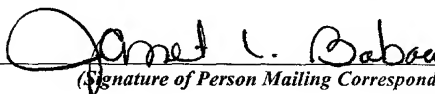
Invention: **METHOD AND APPARATUS FOR DETECTING AND CONTROLLING ORIENTATION OF ARTICLES FOR FURTHER PROCESSING**

I hereby certify that the following correspondence:

Patent Transmittal Sheet, Fee Transmittal Sheet, Patent Application (13 pages), Formal Drawing (1 sheet); Check: \$406.00

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

January 2, 2002*(Date)*Janet L. Babaa*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*EL666921213US*("Express Mail" Mailing Label Number)*

Note: Each paper must have its own certificate of mailing.

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Jeffrey W. Parker et al.**

Docket No.

**18406.004**Serial No.  
To Be AssignedFiling Date  
Concurrently Herewith

Examiner

Group Art Unit

Invention: **METHOD AND APPARATUS FOR DETECTING AND CONTROLLING ORIENTATION OF ARTICLES FOR FURTHER PROCESSING**

I hereby certify that the following correspondence:

Information Disclosure Statement and PTO-1449 (w/cited references)

(Identify type of correspondence)

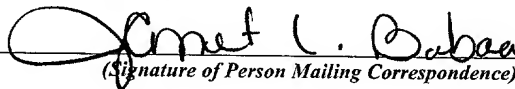
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

January 2, 2002

(Date)

Janet L. Babaa

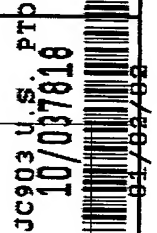
(Typed or Printed Name of Person Mailing Correspondence)



(Signature of Person Mailing Correspondence)

EL666921213US

("Express Mail" Mailing Label Number)



Note: Each paper must have its own certificate of mailing.